



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM B122 C75200

Standard Specification for Copper-Nickel-Tin Alloy, Copper-Nickel-Zinc Alloy (Nickel Silver) and Copper-Nickel Alloy Plate, Sheet, Strip and Rolled Bar

Group - Non-Ferrous Copper Alloy

Sub Group - ASTM B122/B122M Copper-Nickel-Tin Alloy, Copper-Nickel-Zinc Alloy (Nickel Silver) and Copper-Nickel Alloy Plate, Sheet, Strip and Rolled Bar

Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries

Grade Belongs to the Industry - Plate, Sheet, Strip and Rolled Bar

Chemical Composition			Heat Treatment	
Iron	Fe %	0.250 max.	Normalizing or Annealing or Tempering	
Manganese	Mn %	0.500 max.		
Ni + Co	Ni% + Co%	16.500 - 19.500		
Lead	Pb %	0.050 max.		
Cu + Ag	Cu% + Ag%	63.000 - 66.500		
Zinc	Zn %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
			Tensile Strength in Mpa	355 - 695
			Yield Strength in Mpa	-
			Elongation in %	-
			Reduction of Area in %	-
			Hardness in HRB	25 - 96
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
CuNi10Zn27	IS	India	Rod and Bar
B151 C75200	ASTM	USA	Rod and Bar
C78400	UNS	USA	Rod and Bar
B206 C75700	ASTM	USA	Wire
C75700	UNS	USA	Rod and Bar
SB-151 C75700	ASME	USA	Rod and Bar
CuNi12Zn29	ISO	International	Plate, Sheet and Strip

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.

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